

## OTTO CARL BERG'S TYPES OF MYRTACEAE IN THE NATIONAL HERBARIUM OF VICTORIA

by

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The collections of the National Herbarium of Victoria house many thousands of important and authentic specimens from botanists of the eighteenth and nineteenth centuries, and amongst these are members of the *Myrtaceae* studied by Otto Carl Berg (1815–1866). Much of this huge collection of old specimens formed the basis of the famous Sonder herbarium most of which was purchased by the Victorian Government towards the end of last century. This purchase included thousands of sheets of specimens closely connected with Martius' *Flora Brasiliensis*, but the full extent of this association still remains obscure. The fact that this material is still in existence and available to *bona fide* workers is clearly very important and should be made known to systematists everywhere.

This paper deals exclusively with Berg's types of species and varieties originally described in Martius' *Flora Brasiliensis* 14 : 1–655 (1857–1859) and cited for Sonder's herbarium. The results of this study are given below, in the order of Martius, as a list of *presumptive types* known to be filed in the Melbourne Herbarium. Berg's types of *Myrtaceae* from other regions of tropical South America, e.g. Surinam and Venezuela, have been located also, but these will form the basis of another paper.

A thorough search of the collections has been made for Berg's Brazilian types alluded to above, but a few have probably escaped detection. For each specimen listed below, the following details are given : Melbourne Herbarium registration number ; name of the species or variety under which Berg originally described it ; precise place of publication ; locality details including collector and collector's number ; Berg's annotations with respect to the name written exactly as on the sheet.

A facsimile of Berg's handwriting is reproduced in Fig. 47 on page 122.

The author hopes that the list of types given below will prove useful to systematists, but it must be remembered that these are *presumptive types*. Each specimen should be examined carefully by a taxonomist who is studying *Myrtaceae* before it can be declared a type.

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LIST OF PRESUMPTIVE TYPES

- MEL 1007445 **Gomidesia Hartwegiana** Berg in Mart. *Flor. Bras.* 14<sup>1</sup> : 22 (1857).  
Labelled "Minas Geraes, Brasil. Widgren 544½" in Sonder's hand.  
Designated as "Gomidesia Hartwegiana Berg" in Berg's hand.  
SYNTYPE.
- 1007446 **Gomidesia Widgreniana** Berg in Mart. *l. c.* 26.  
Labelled "Minas Geraes, Brasiliae. Widgren 546" in Sonder's hand.  
Designated as "Gomidesia Widgreniana Berg" in Berg's hand.  
HOLOTYPE.
- 1007447 **Rubachia Neuwiediana** Berg in Mart. *l. c.* 29.  
Labelled "C. Frio" in an unknown hand and Prinz v. Neuwied" in Sonder's hand.  
Designated "Rubachia Neuwiediana Bg" in Berg's hand.  
ISOTYPE.
- 1007448 **Calyptranthes Widgreniana** Berg in Mart. *l. c.* 39.  
Labelled "Minas Geraes. Widgren 537" in Sonder's hand.  
Designated "Calyptranthes Widgreniana Bg" in Berg's hand.  
HOLOTYPE.
- 1007449 **Calyptranthes pteropoda** Berg in Mart. *l. c.* 47.  
Labelled "Minas Geraes, Brasiliae. Widgren 549" in Sonder's hand.  
Designated as "Calyptranthes pteropoda Bg" in Berg's hand.  
ISOTYPE.  
[See Plate 16.]
- 1007450 **Calyptranthes variabilis**  $\alpha$ . **pulchella** Berg in Mart. *l. c.* 49.  
Labelled "Minas Geraes, Brasil. Widgren 1185" in Sonder's hand.



514 Berg: *Calyptroanthus pteropoda* Berg.  
Königsberg  
Pteropoda  
*Calyptroanthus pteropoda* Berg.

Das hatte eine schöne Spizere, die sich im  
Blk. Sollois. mit denissen aus jungen  
Blüthenständen vorfindet, welche nur 3  
Saamen bezaehl, triagonal und kurzlich,  
inwend wie harte Litz, half ist bei von  
Fäden g. gelblich samer, bei ich Adrup  
oben einer schon Spizere angrach hat,  
mit einem nach. fig.

Isotype? of *Calyptroanthus pteropoda* Berg.

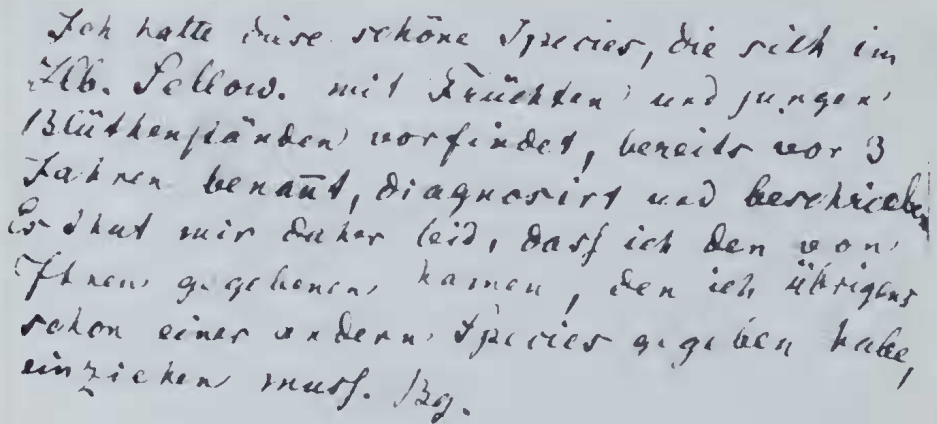
Designated as "variabilis  $\alpha$ . Bg" in Berg's hand.  
HOLOTYPE.

1007451 *Aulomyrcia ramulosa*  $\beta$ . *pauciflora* Berg in Mart. l. c. 62.

Labelled "Rio Janeiro, v. Martius" in Sonder's hand.

Designated as "Aulomyrcia ramulosa, var.  $\beta$ . pauciflora Bg" in Berg's hand.

ISOTYPE.



Ich hatte diese schöne Species, die sich im  
Ab. Sellow. mit Zweigen und jungen  
Blüttenständen vorfindet, bereits vor 3  
Jahren benannt, diagnosticirt und beschrieben.  
Es hat mir daher leid, dass ich den von  
Ihren gegebenen Namen, den ich übrigens  
schon einer andern Species gegeben habe,  
einziehen muss. Bg.

Fig. 47—Facsimile of Otto Carl Berg's handwriting filed in MEL.

1007452 *Aulomyrcia ramulosa*  $\gamma$ . *acutata* Berg in Mart. l. c. 62.

No locality details are given with this specimen which appears to be the only one that Berg examined in Sonder's herbarium.

Designated as "Aulomyrcia ramulosa, var.  $\gamma$ . acutata Berg" in Berg's hand.

ISOTYPE.

1007453 *Aulomyrcia Widgreniana* Berg in Mart. l. c. 70.

Labelled "Minas Geraes. Widgren 545" in Sonder's hand.

Designated "Aulomyrcia Widgreniana Bg" in Berg's hand.

HOLOTYPE.

- 1007454 **Aulomyrcia longpipes**  $\gamma$ . **latifolia** Berg in Mart. *l. c.* 94.  
Labelled "Minas Geraes, Brasiliae. Widgren 547" in Sonder's hand.  
Designated "Aulomyrcia longpipes, var.  $\gamma$ . latifolia Bg" in Berg's hand.  
HOLOTYPE.
- 1007455 **Aulomyrcia Sonderiana** Berg in Mart. *l. c.* 110.  
Labelled "Minas Geraes, Brasiliae. A. F. Regnell 1-134" in Sonder's hand.  
Designated as "Aulomyrcia Sonderiana Berg" in Berg's hand.  
SYNTYPE.
- 1007456 **Aulomyrcia Sonderiana** Berg in Mart. *l. c.* 110.  
Labelled "Minas Geraes, Brasiliae. Widgren 544" in Sonder's hand.  
Designated as "Aulomyrcia Sonderiana Berg" in Berg's hand.  
SYNTYPE.  
Another specimen, labelled "Minas Geraes, Brasiliae. Widren 544 $\frac{1}{2}$ " in Sonder's hand and designated as "Aulomyrcia Sonderiana Berg" in Berg's hand has been located in the collections.
- 1007457 **Aulomyrcia Salzmanni** Berg in Mart. *l. c.* 116.  
Labelled simply "Bahia" in an unknown hand.  
Designated as "Aulomyrcia Salzmanni Bg" in Berg's hand.  
ISOTYPE.
- 1007458 **Aulomyrcia Lingua**  $\beta$ . **rufa** Berg in Mart. *l. c.* 130.  
Labelled "Minas Geraes, Brasil. Widgren 555" in Sonder's hand.  
Designated as "Aulomyrcia Lingua var.  $\beta$ . rufa Berg" in Berg's hand.  
HOLOTYPE.
- 1007459 **Aulomyrcia vacciniifolia** Berg in Mart. *l. c.* 140.  
Labelled "Serra de Itambe, Brasiliae" in Sonder's hand.  
Designated as "Aulomyrcia vacciniifolia Bg" in Berg's hand.  
ISOTYPE.

- 1007460 **Engeniopsis Clausseniana**  $\alpha$ . **rufa** Berg in Mart. *l. c.* 146.

Labelled "Rio de Janeiro" in an unknown hand.  
Designated as "Engeniopsis Clausseniana  $\alpha$ . rufa Berg" in Berg's hand.  
SYNTYPE.

- 1007461 **Myrcia Kegeliana**  $\alpha$ . **latifolia** Berg in Mart. *l. c.* 168.

Labelled "Surinam, Hostmann 485" in Sonder's hand.  
Designated as "Kegeliana  $\alpha$ . latifolia Bg" in Berg's hand.  
SYNTYPE.

- 1007462 **Myrcia communis**  $\alpha$ . **latifolia** Berg in Mart. *l. c.* 183.

Labelled "Minas Geraes, Brasiliae. A. F. Regnell 1-135" in Sonder's hand.  
Designated as "Myrcia communis var.  $\alpha$ . latifolia Berg" in Berg's hand.  
ISOTYPE.

Berg has added the note "Ab M. puberula Camb. toto caelo diversa Bg" to the specimen.

- 1007463 **Eugenia Widgrenii** Sond. ex Berg in Mart. *l. c.* 227.

Labelled "Minas Geraes, Brasiliae. Widgren 538" in Sonder's hand.  
Designated as "Eugenia Widgrenii Sond." in Sonder's hand. There are no annotations by Berg with this specimen.  
HOLOTYPE.

- 1007464 **Eugenia Franciscensis** Berg in Mart. *l. c.* 233.

Labelled "Rio S. Franeiseo" in Sonder's hand.  
Designated as "Franeiseensis Bg" in Berg's hand.  
ISOTYPE.

- 1007465 **Eugenia rhombocarpa** Berg in Mart. *l. c.* 239.

Labelled "Minas Geraes, Brasil. Widgren 540" in Sonder's hand.  
Designated as "rhombocarpa Bg" in Berg's hand.  
HOLOTYPE.

- 1007466 **Eugenia ambigua** Berg in Mart. *l. c.* 241.  
Labelled "Minas Geraes. Widgren 1027" in Sonder's hand.  
Designated as "ambigua Berg" in Berg's hand.  
HOLOTYPE.
- 1007467 **Eugenia Regnelliana** Berg in Mart. *l. c.* 245.  
Labelled "Caldas, Minas Geraes, Brasiliae. Regnell 2-120" in Sonder's hand.  
Designated as "Eugenia Regnelliana Bg" in Berg's hand.  
SYNTYPE.
- 1007468 **Eugenia Regnelliana** Berg in Mart. *l. c.* 245.  
Labelled "Minas Geraes, Brasil. Widgren 556" in Sonder's hand.  
Designated as "Regnelliana Bg" in Berg's hand.  
SYNTYPE.
- 1007494 **Eugenia Maximiliana** Berg in Mart. *l. c.* 250.  
Labelled "Brasilia. Prinz v. Neuwied" in Sonder's hand.  
Designated as "Maximiliana Bg., nee DC." in Berg's hand.  
ISOTYPE.
- 1007469 **Eugenia Klotzschiana** Berg in Mart. *l. c.* 255.  
Labelled "Brasiliae. Widgren 528" in Sonder's hand.  
Designated as "Eugenia Klotzschiana Bg" in Berg's hand.  
SYNTYPE.
- 1007470 **Eugenia cauliflora** Berg in Mart. *l. c.* 268.  
Labelled "Bahia, Salzmann" in an unknown hand.  
Designated as "Eugenia eauliflora Bg, nee DC." in Berg's hand.  
ISOTYPE.

- 1007471 **Eugenia Sonderiana** Berg in Mart. *l. c.* 270.  
Labelled "Minas Geraes, Brasiliae. Widgren 542" in Sonder's hand.  
Designated as "Eugenia Sonderiana Bg" in Berg's hand.  
HOLOTYPE.
- 1007472 **Eugenia cassinoides**  $\beta$ . **gracilis** Berg in Mart. *l. c.* 286.  
Labelled "Bahia" in an unknown hand and "Salzmann" in Sonder's.  
Designated as "Eugenia cassinoides,  $\beta$ . graeilis Berg" in Berg's hand.  
HOLOTYPE.
- 1007473 **Eugenia sphenophylla**  $\beta$ . **angustifolia** Berg in Mart. *l. c.* 288.  
Labelled "Minas Geraes, Brasil. Widgren 539" in Sonder's hand.  
Designated "Eugenia sphenophylla  $\beta$ . angustifolia Bg" in Berg's hand.  
HOLOTYPE.
- 1007474 **Eugenia Moraviana** Berg in Mart. *l. c.* 304.  
Labelled "Habitat in Via quae ducit ad Moravianos" in an unknown hand.  
Designated as Eugenia Moraviana Bg" in Berg's hand.  
ISOTYPE.
- 1007475 **Eugenia inundata**  $\alpha$ . **membranacea** Berg in Mart. *l. c.* 318.  
Labelled "ad fluvium Rio Negro" in an unknown hand.  
Designated as " $\alpha$ . membranacea Berg" in Berg's hand.  
SYNTYPE.
- 1007495 **Stenocalyx impunctatus** Berg in Mart. *l. c.* 336.  
Labelled "Ad Caldas, Minas Geraes, Brasiliae. Regnell 1-123" in Sonder's hand.  
Designated as "Stenocalyx impunctatus Bg" in Berg's hand.  
HOLOTYPE.



1007476 **Mitranthes eugenioides**  $\beta$ . **ovata** Berg in Mart. *l. c.* 355.

Labelled "Bahia" in an unknown hand and "Salzmann" in Sonder's hand.

Designated as "Mitranthes Cambessedeano  $\beta$ . ovata Bg" in Berg's hand.

HOLOTYPE.

Evidently Berg decided to adopt Saint-Hilaire's epithet when he published his description of *Mitranthes eugenioides* but failed to make any alteration to Sonder's label. Sonder's specimen has also been designated as "Calyptranthes eugenioides A SHJL." in an unknown hand.

1007477 **Myrciaria strigipes** Berg in Mart. *l. c.* 364.

Labelled "Prine. Neovid" in Sonder's hand.

Designated as "Myrciaria strigipes Bg" in Berg's hand.

SYNTYPE.

1007478 **Siphoneugena Widgreniana** Berg in Mart. *l. c.* 379.

Labelled "Minas Geraes, Widgren 541" in Sonder's hand.

Designated as "Siphoneugena Widgreniana Berg" in Berg's hand.

HOLOTYPE.

1007479 **Psidium Widgrenianum** Berg in Mart. *l. c.* 392.

Labelled "Minas Geraes, Brasil. Widgren 534" in Sonder's hand.

Designated as "Widgreniana Bg" in Berg's hand.

HOLOTYPE.

1007480 **Psidium incanescens**  $\beta$ . **parvifolium** Berg in Mart. *l. c.* 403.

Labelled "Minas Geraes. Widgren 529" in Sonder's hand.

Designated as "incanescens Mart.,  $\beta$ . parvifolium Bg" in Berg's hand.

SYNTYPE.

- 1007481 **Blepharocalyx longipes** Berg in Mart. *l. c.* 423.  
Labelled "Minas Geraes, Brasiliae. Widgren 550" in Sonder's hand.  
Designated as "Blepharocalyx longipes Bg" in Berg's hand.  
SYNTYPE.
- 1007482 **Blepharocalyx longipes** Berg in Mart. *l. c.* 423.  
Labelled "Minas Geraes, Brasil. Widgren 553" in Sonder's hand.  
Designated as "Blepharocalyx longipes Bg" in Berg's hand.  
SYNTYPE.
- 1007483 **Blepharocalyx Widgreni** Berg in Mart. *l. c.* 427.  
Labelled "Minas Geraes, Brasil. Widgren 548" in Sonder's hand.  
Designated as "Blepharocalyx Widgreni Bg" in Berg's hand.  
HOLOTYPE.
- 1007484 **Abbevillea maschalantha**  $\gamma$ . **oblongata** Berg in Mart. *l. c.* 433.  
Labelled "Rio de Janeiro" in an unknown hand.  
Designated as "Abbevillea maschalantha  $\gamma$ . oblongata Bg" in Berg's hand.  
HOLOTYPE.
- 1007485 **Abbevillea Fenzliana**  $\delta$ . **brevipes** Berg in Mart. *l. c.* 434.  
Labelled "Minas Geraes, Brasiliae. A. F. Regnell 1-127" in Sonder's hand.  
Designated as "Abbevillea Fenzliana,  $\delta$ . brevipes Bg" in Berg's hand.  
HOLOTYPE.  
[See Plate 17.]
- 1007486 **Campomanesia heterophylla** Berg in Mart. *l. c.* 440.  
Labelled "Widgren 534 $\frac{1}{2}$ " in Sonder's hand.  
Designated "Campomanesia heterophylla Bg" in Berg's hand.  
SYNTYPE.

PLATE 17



1-127 Myrtaceae  
*Beccaria simulata* Hook.  
Mianus Jacq.  
Parasitica  
*Abbevillea Feuzliana*, *S. brevipes* Berg  
— G. & A. Thymale

Holotype ? of *Abbevillea Feuzliana*  $\delta$ . *brevipes* Berg

- 1007487 **Campomanesia pubescens**  $\alpha$ . **effusa** Berg in Mart. *l. c.* 443.  
 Labelled "Prov. Pernambuco, Martius" in Sonder's hand.  
 Designated "Campomanesia pubescens,  $\alpha$ . effusa Bg" in Berg's hand.  
 This is the only specimen labelled  $\alpha$ . *effusa* found amongst the Sonder material and might be HOLOTYPE.
- 1007488 **Campomanesia pubescens**  $\beta$ . **coarctata** Berg in Mart. *l. c.* 443.  
 Labelled "Minas Geraes, Brasiliae. Widgren 530" in Sonder's hand.  
 Designated as "Campomanesia pubescens  $\beta$ . coarctata Bg" in Berg's hand.  
 ISOTYPE or SYNTYPE.
- 1007489 **Campomanesia obversa**  $\alpha$ . **latifolia** Berg in Mart. *l. c.* 445.  
 Labelled "Minas Geraes, Brasil, Widgren 530 $\frac{1}{2}$ " in Sonder's hand.  
 Designated as "Campomanesia obversa  $\alpha$ . latifolia Bg" in Berg's hand.  
 Whether or not this specimen can be a type will depend upon a thorough examination of this material in conjunction with the next specimen cited below.
- 1007490 **Campomanesia obversa**  $\beta$ . **angustifolia** Berg in Mart. *l. c.* 446.  
 Labelled "Ad Caldas prov. Minas Geraes. Regnell 1-125c." in Sonder's hand.  
 Designated as "Campomanesia obversa,  $\beta$ . angustifolia Bg" in Berg's hand.  
 It seems possible that the label accompanying this specimen has been confused with that referred to above and that Berg annotated both labels incorrectly. It is also possible that Berg cited these two specimens wrongly in Martius' *Flora*. No annotations by Miquel who originally described *Psidium obversum* (cited by Berg) have been noticed on the label.

1007491 **Campomanesia Widgreniana** Berg in Mart. *l. c.* 447.

Labelled "Minas Geraes, Brasiliae, Widgren 531" in Sonder's hand.

Designated as "Campomanesia Widgreniana Bg" in Berg's hand.

HOLOTYPE.

1007492 **Britoa Sellowiana** Berg in Mart. *l. c.* 463.

Labelled "Ad Caldas in Minas Geraes, Brasiliae. Regnell 2-118" in Sonder's hand.

Designated as "Britoa Sellowiana Bg" in Berg's hand.

SYNTYPE.

1007493 **Lecythis Martiana** Berg in Mart. *l. c.* 487 (1858).

Labelled "Para, Brasiliae, v. Martius" in Sonder's hand.

Designated as "Lecythis Martiana Bg" in Berg's hand.

HOLOTYPE.

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